

**JP09054982**

**OPTICAL DISK SUBSTRATE AND ITS PRODUCTION**

**TEIJIN CHEM LTD**

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**Application No. 07204619 , Filed 19950810 , Published 19970225**

**Abstract:**

**PROBLEM TO BE SOLVED:** To obtain an optical disk substrate attaining accurate transfer of pits, ensuring a low error rate and less liable to warp by moisture absorption with polycarbonate resin from 2,2- bis(3-methyl-4-hydroxyphenyl)propane.

**SOLUTION:** This optical disk substrate is formed with polycarbonate resin obtd. by allowing a carbonate precursor to react with dihydric phenol, mainly 2,2-bis(3- methyl-4-hydroxyphenyl)propane. The specific viscosity of the polycarbonate resin is 0.2-0.4. When the resin is dissolved in methylene chloride, the number of undissolved particles each having  $\geq 0.5\mu\text{m}$  diameter measured in the resultant soln. is  $\leq 25,000$  per 1g of the resin and the number of undissolved particles each having  $\geq 1\mu\text{m}$  diameter is  $\leq 500$ . The resin has  $\leq 0.2\text{wt.}\%$  water absorption.

**Int'l Class:** G11B00724 G11B00726

**Priority:** JP 07140585 19950607